



„Advanced techniques in life sciences research”

21st – 23rd January 2013

Seminary and Workshop Warsaw University of Life Sciences

workshops@kawaska.pl

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Lectures admission: free

Workshops participation: 500 PLN (max 30 participants)

Day I (21.01.13)

8:30 – 13:00 Lectures (Auditorium 1)

1. **dr hab. Wanda Olech Piasecka prof. SGGW** (Dean of the Faculty of Animal Sciences, Warsaw University of Life Sciences, Poland)

“Welcome”

2. **Marian Kawczyński** (KAWA.SKA, Zalesie Górne, Poland) & **prof. Teresa Ostaszewska** (Department of Ichthyobiology and Fisheries, Warsaw University of Life Sciences, Poland) & **dr Piotr Grochowski** (KAWA.SKA, Zalesie Górne, Poland)

„Advanced technique in life sciences research – why in January 2013?”

3. **prof. Piotr Węgleński** (Institute of Genetics and Biotechnology, University of Warsaw, Poland)

“ America and Europe towards GMO”

4. **prof. Charles Cantor** (Professor of Pharmacology, Biophysical Chemistry, University of California & SEQUENOM INC, San Diego, USA)

“Modern genetic methods in monitoring changes in the development of embryos”

Coffee break

5. **prof. Yuri Ph. Kartavtsev** (Laboratory of Molecular Systematics Institute of Marine Biology, Far Eastern Branch of Russian Academy of Sciences, Vladivostok, Russia)

“Mitogenomics, Speciation Genetics, Molecular Phylogenetics, and Barcoding”

6. **dr Frederic Ribay** (Leica Microsystem Vertrieb GmbH, Wetzlar, Germany)

„IMSI interest in ART”

13:00 – 14:00 Lunch break

14:00 – 18:00 Workshops

1. The micromanipulation technique (dr Frederic Ribay & dr Teresa Wiesak & mgr Aleksandra Ławrynowicz)
– group I (classroom 09)
2. The microdissection technique (dr Falk Schlaudraff & dr Grzegorz Gacek)
– group II (classroom 010)
3. The histological, immunohistochemical and genetic techniques (dr Pauline Wong & mgr inż. Krzysztof Matuszak & dr Piotr Grochowski)
– group III (classroom 015 and 022)

Day II (22.01.13)

8:30 – 13:00 Lectures (Auditorium 1)

1. **dr Teresa Wiesak** (Department of Gamete and Embryo Biology, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences, Olsztyn, Poland)
"Assisted reproductive technology and embryo genomics"
2. **dr Takashi Kuwana** (International Institute of Avian Conservation Science, Management of Nature Conservation, Department of The President's Affairs Dana Tower, Abu Dhabi, United Arab Emirates)
" Micro-manipuration of primordial germ cells in endangered birds"
3. **dr Daisuke Sumiyama** (International Institute of Avian Conservation Science, Management of Nature Conservation, Department of The President's Affairs Dana Tower, Abu Dhabi, United Arab Emirates)
„New handling techniques of microsamples and DNA purification using micro-tools"

Coffee break

7. **dr Falk Schlaudraff** (Leica Microsystems Vertrieb GmbH, Wetzlar, Germany)
"Leica Lasermicrodissection and Parkinson's Disease"
4. **prof. Zarayski Mikahail** (Department of Clinical Laboratory and Molecular Medicine, Saint-Petersburg Pavlov's State Medical University, Saint-Petersburg, Russia)
"HRMC and COLD-PCR"

13:00 – 14:00 Lunch break

14:00 – 18:00 Workshops

- 1 The micromanipulation technique (dr Frederic Ribay & dr Teresa Wiesak & mgr Aleksandra Ławrynowicz)
– group II (classroom 09)
- 2 The microdissection technique (dr Falk Schlaudraff & dr Grzegorz Gacek)
– group III (classroom 010)
- 3 The histological, immunohistochemical and genetic techniques (dr Pauline Wong & mgr Krzysztof Matuszak & dr Piotr Grochowski)
– group I (classrooms: 015 and 022)

Day III (23.01.13)

8:30 – 13:00 Lectures (Auditorium 1)

1. **prof. Teresa Ostaszewska** (Department of Ichthyobiology and Fisheries, Warsaw University of Life Sciences, Poland)
“The role of histology in molecular diagnostics”
2. **mgr Małgorzata Rzepkowska** (Department of Ichthyobiology and Fisheries, Warsaw University of Life Sciences, Poland)
“Differentiation of sex in sturgeon (*Acipenseridae*)”

Coffee break

3. **dr Piotr Grochowski** (KAWA.SKA, Zalesie Górne, Poland)
“Fluorescence In Situ Hybridization (FISH) in molecular research”
4. **dr Magdalena Buś-Kicman** (Laboratory of Molecular and Biometric Technology, Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland).
“Use of the latest generation equipment in scientific research”

13:00 – 14:00 Lunch break

14:00 – 18:00 Workshops

- 1 The micromanipulation technique (dr Frederic Ribay & dr Teresa Wiesak & mgr Aleksandra Ławrynowicz)
– group III (classroom 09)
- 2 The microdissection technique (dr Falk Schlaudraff & dr Grzegorz Gacek)
– group I (classroom 010)
- 3 The histological, immunohistochemical and genetic techniques (dr Pauline Wong & mgr Krzysztof Matuszak & dr Piotr Grochowski)
– group II (classrooms: 015 and 022)

The cost of travel and accommodation on their own.

